

US EPA ARCHIVE DOCUMENT

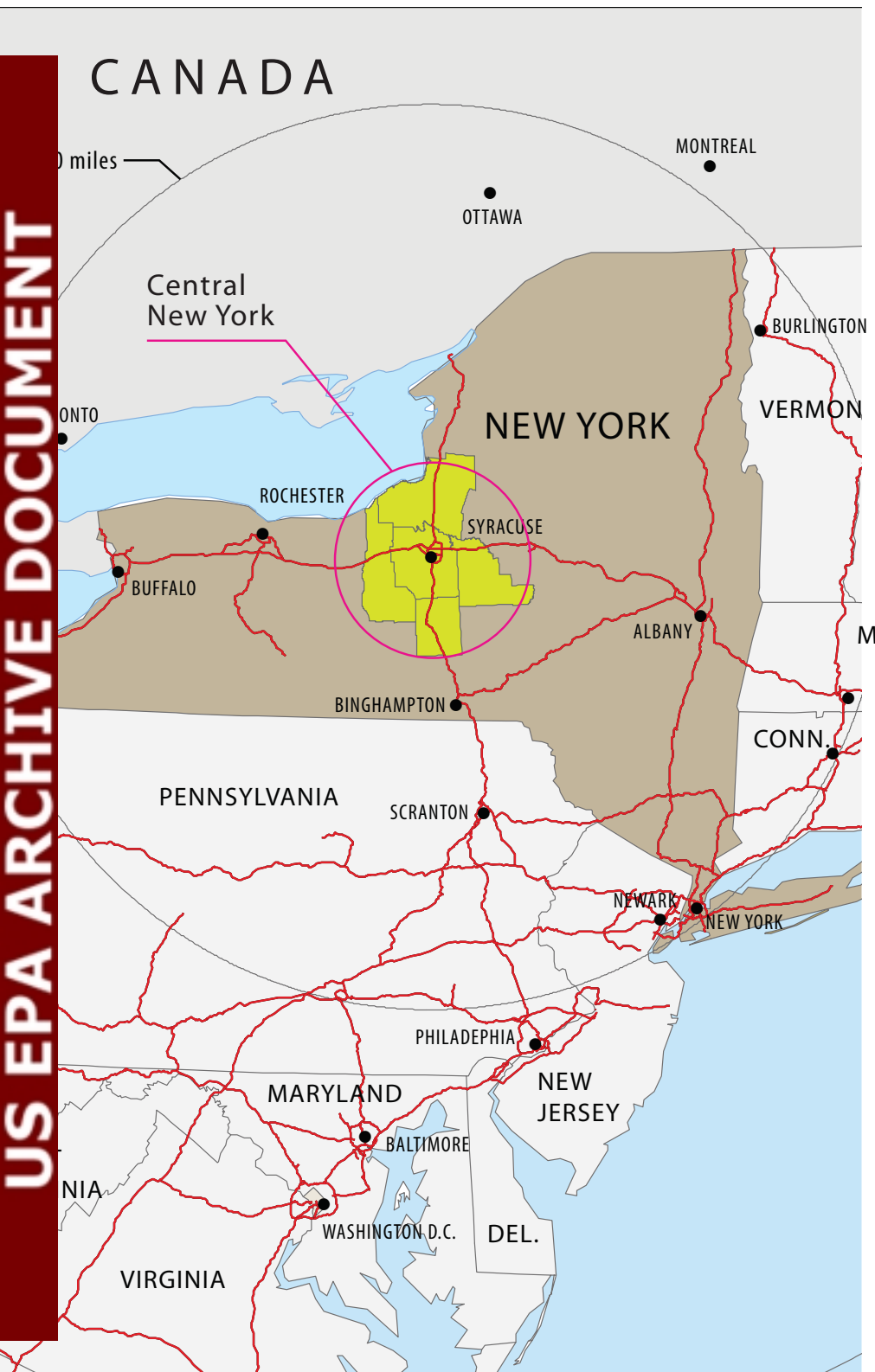


Chris Carrick, Energy Program Manager
Samuel Gordon, Senior Planner

**Central New York
Regional Planning
and Development Board**

**EPA Climate Action Planning Webcast
November 17, 2011**





CENTRAL NEW YORK
REGIONAL PLANNING AND DEVELOPMENT BOARD



Municipal Energy Planning

The CNY RPDB **assists local governments** with accessing **funding** and **technical assistance** through state and federal agencies and offers services including **inventorying energy use**; implementing energy reduction strategies, clean energy projects, and policies to support renewable energy technologies.

Project Development

The CNY RPDB **manages** the clean energy project development process for municipal and institutional energy users, including identifying **project opportunities**, **leading feasibility studies**, **securing funding**, and **working with technology providers**.

Public Education and Outreach

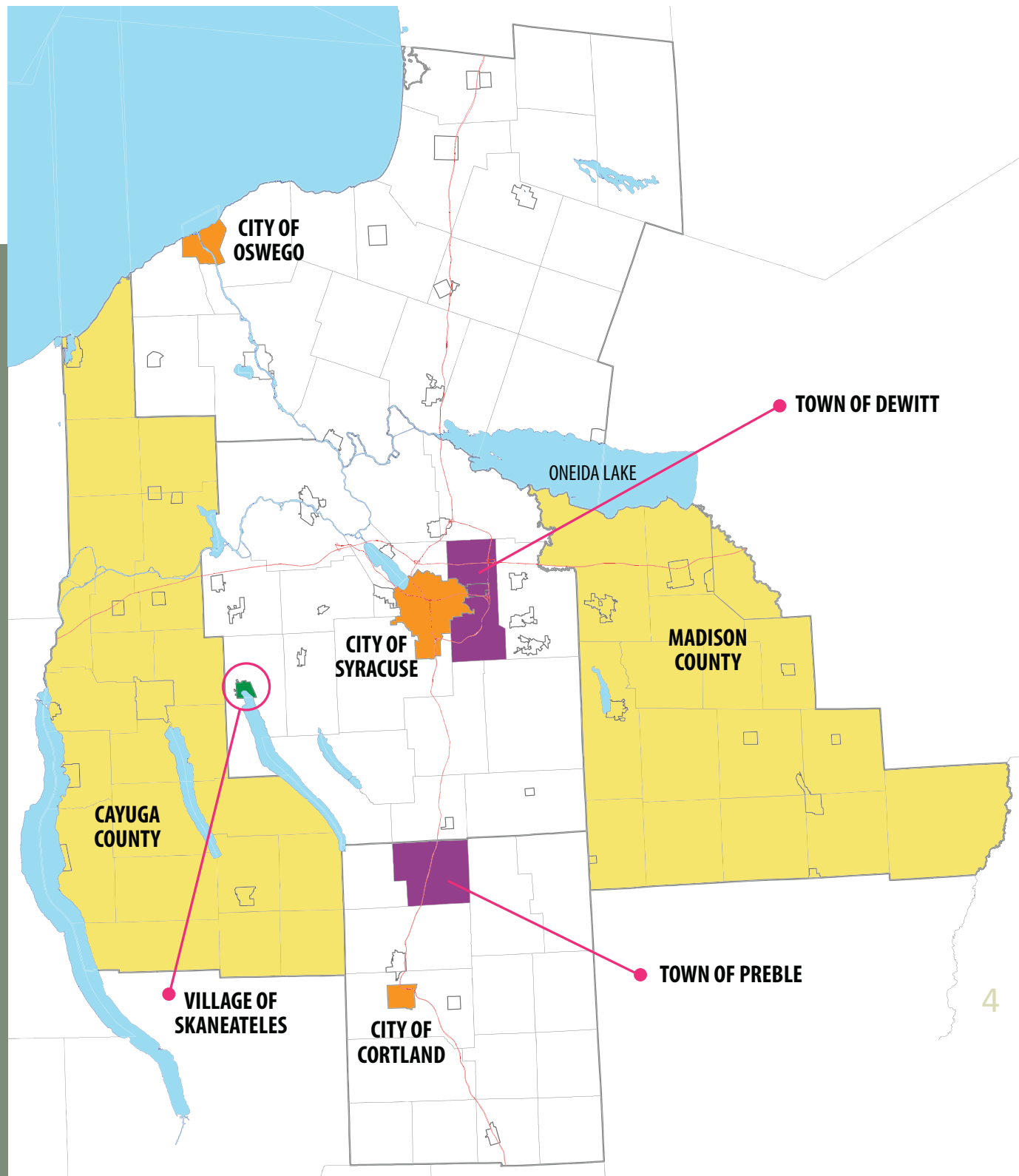
The CNY RPDB **educates** the public about the benefits of **clean energy** and promotes participation in utility and public programs. **We conduct customized informational workshops** for residential, commercial, municipal, and institutional energy users.

The Program

- + Participants were selected through a competitive process
- + Participants must complete a carbon inventory of their local government operations and a local climate action plan
- + Participants will receive up to \$30,000 for demonstration projects (i.e., facilities retrofit, upgrading municipal fleets, renewable energy)
- + Citizen Engagement

Local Governments
 can play a key role
 in climate action
 through leading
 by example

Climate action can
 take place at any
 scale regardless
 of size or political
 orientation



Municipal Participant Characteristics

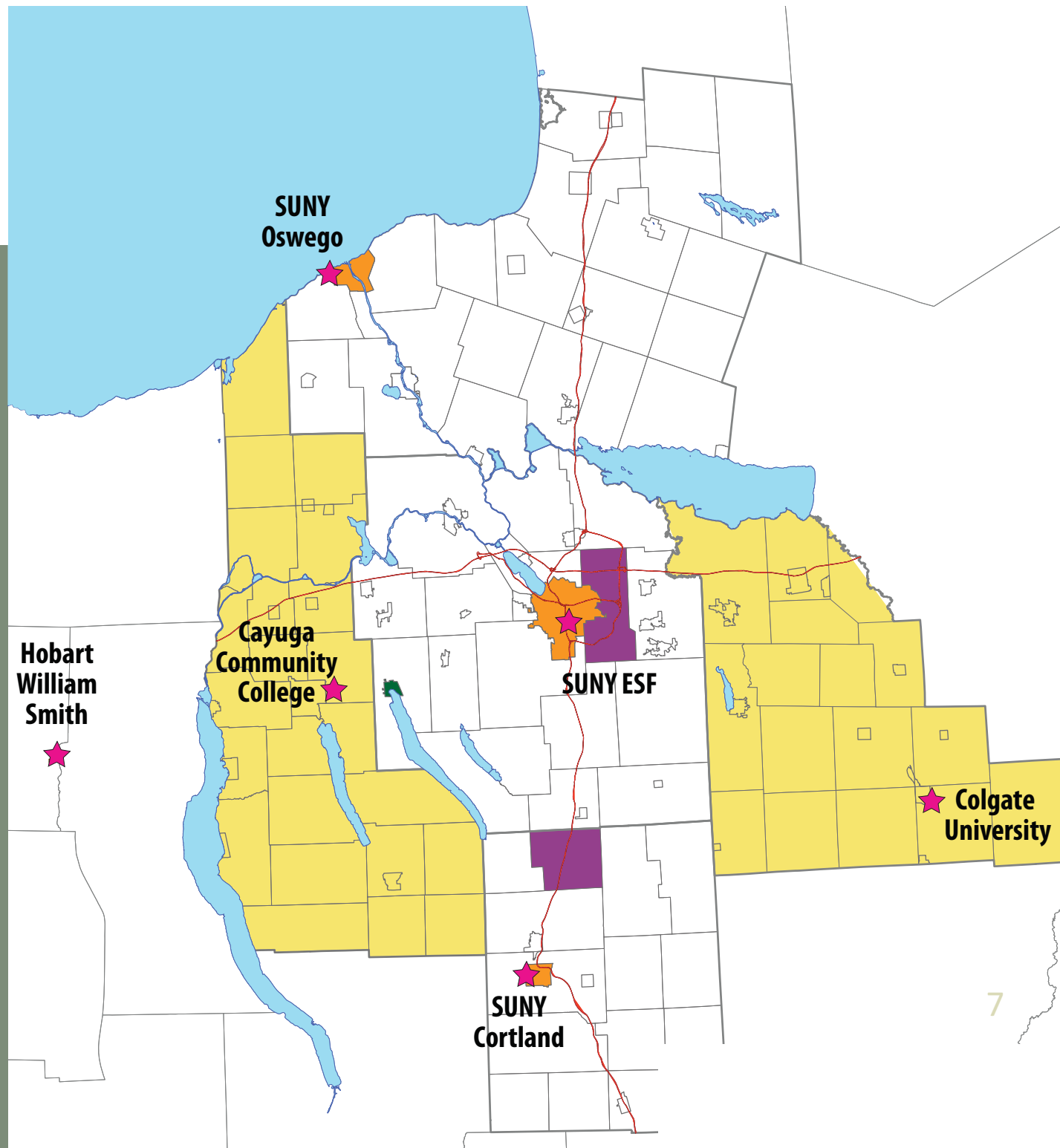
Government Name	Government Type	Community Type	Population	% of regional population	Project Manager	Energy /Climate Experience	Community Motivations
Madison County	County	Rural	81,963	10.4%	Planning Staff	moderate	economic growth
Madison County	County	Rural	69,766	8.8%	Planning Staff	moderate	economic growth
Madison County	City (Onondaga County)	Large City	147,306	18.6%	Sustainability Director	high	being green, energy savings
Cortland	City (Cortland County)	Small City	18,740	2.4%	Facilities Supervisor	low	energy savings, being green
Madison County	City (Oswego County)	Small City	18,096	2.3%	Community Development Director	moderate	being green, energy savings
Madison County	Town (Onondaga County)	Suburban	24,071	3.0%	Sustainability Director	high	being green, energy savings
Madison County	Town (Cortland County)	Rural	1,582	0.2%	Volunteer Committee	low	energy savings
Madison County	Village (Onondaga County)	Rural	2,500	0.3%	Director of Municipal Operations and Volunteer Committee	moderate	energy savings, being green

Municipal Climate Action Workshop (US EPA, NYS DEC, NYSERDA, ICLEI)

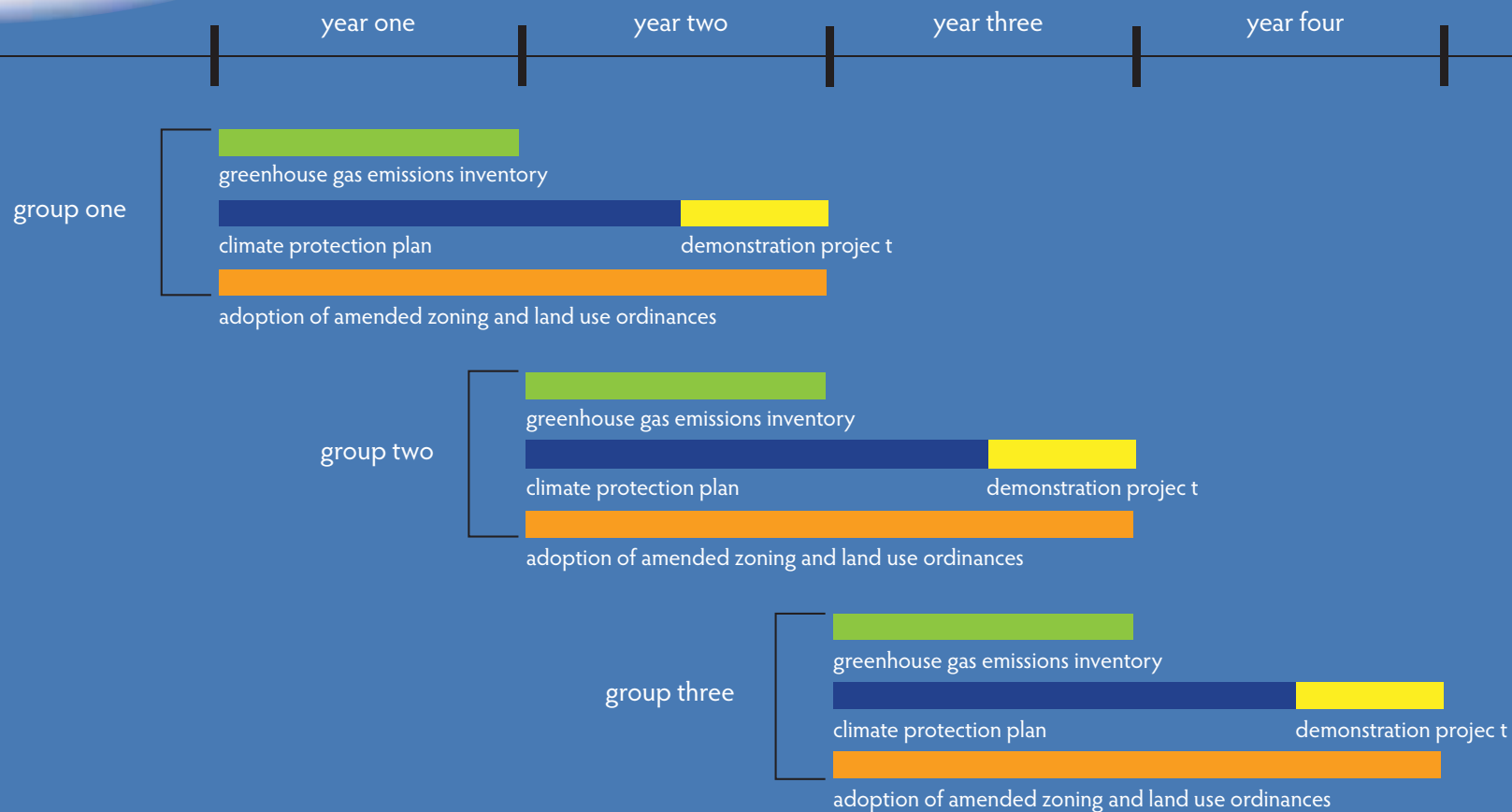


ADDITIONAL RESOURCES

**ACADEMIC
PARTNERSHIPS**
American College
and
University Presidents'
Climate Commitment

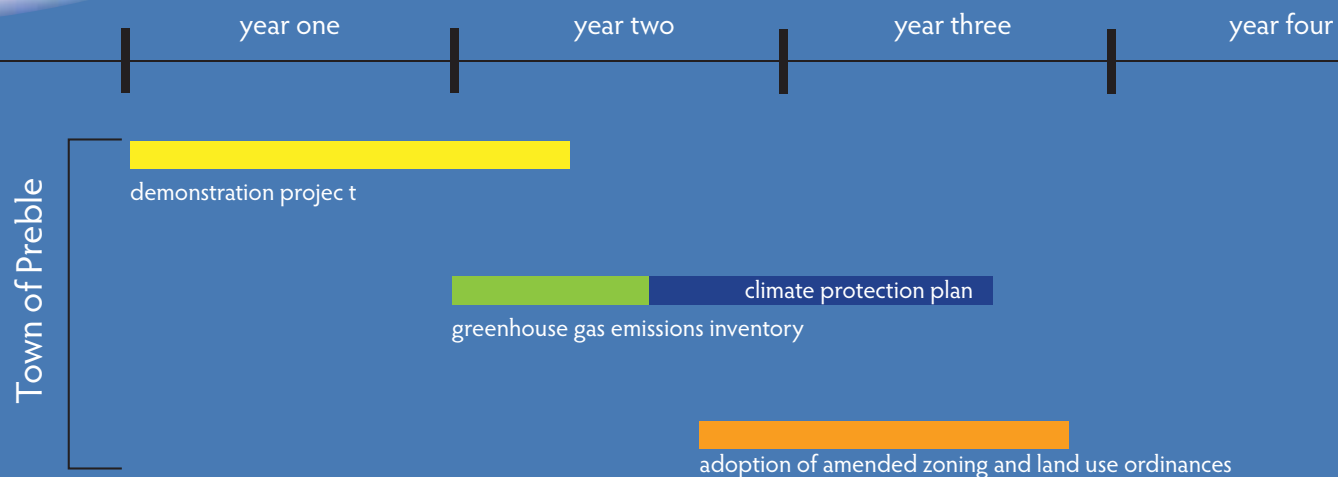


Program Timeline (proposed)



Program Timeline (actual)

Town of Preble



- + Began with demonstration project - longer project development timeframe than anticipated
- + Emissions inventory will begin in 2012 - climate protection plan will follow
- + Participation in project development has positive benefits

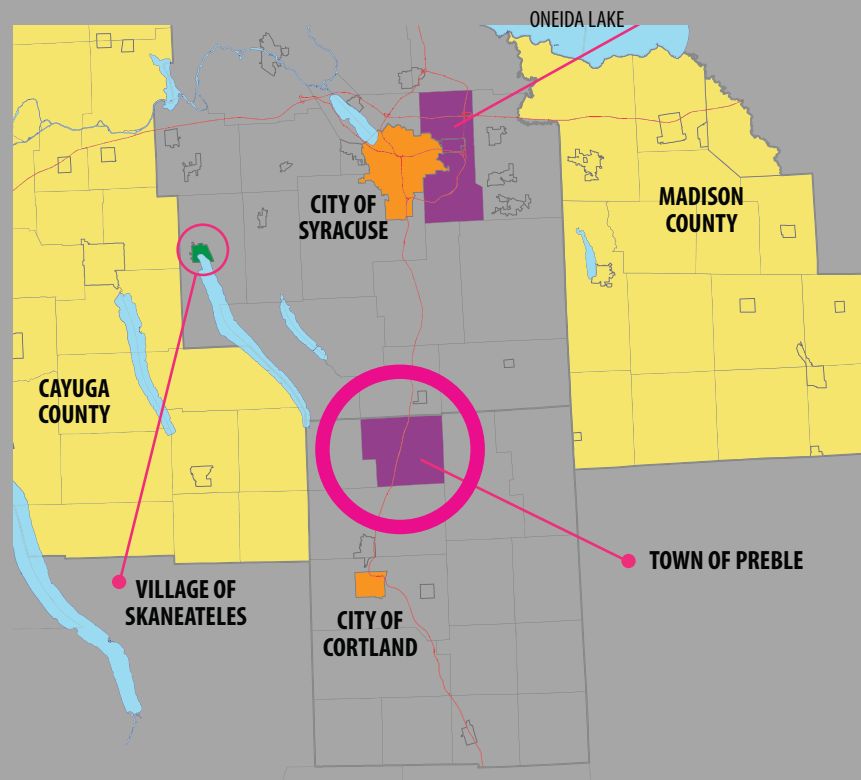
Town of Preble (population: 1,582)

Cortland County



PROJECT DEVELOPMENT:

- + NYSERDA Energy Audit
- + National Grid Lighting Audit
- + Blower Door Test
- + NYSERDA Solar PV Assessment



Town of Preble (population: 1,582)

Cortland County



PROJECT DEVELOPMENT:

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Town Hall – Energy Upgrade Project Summary

	Measure	Cost
	HVAC/ Building Envelope	\$66,600.00
	Lighting	\$1,849.96
	Solar PV- 9kW	\$40,430.00
	Total	\$108,879.96

Option 2: With State Senate Funding

Funding	Measure	Incentive
CIP	HVAC/ Building Envelope	\$30,000.00
National Grid	Lighting	\$934.01
NYSERDA	HVAC	\$843.75
State Senate Funding		\$25,000.00
NYSERDA	Solar PV	\$12,250
Total		\$69,027.76

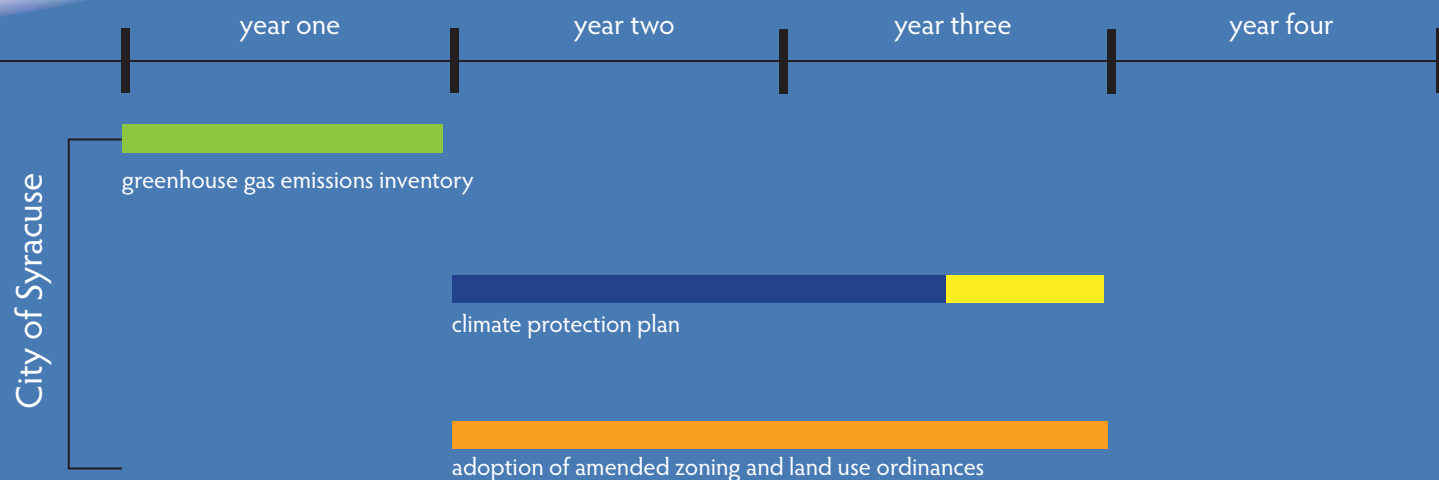
Total Project Costs	\$108,879.96
Incentives	\$69,027.76
Costs After Incentives	\$39,852.20

Solar Displacement (kW)	11,246	\$1,912
Annual Savings	\$11,736.87	
Simple Payback Calculation	3.40	

Town will realize a payback of just over 3 years and achieve an emissions reduction of 22.38 Tons of CO₂e - fossil fuel free.

Program Timeline (actual)

City of Syracuse



- + Began with ghg emissions inventory - developed a team of city staff, student intern, and college class
- + Climate Protection Plan will begin in 2012 - City is currently assembling an advisory committee
- + City is simultaneously conducting energy audits for its police, fire, and dpw facilities

central new york energy CHALLENGE

Join
the
challenge

energy
saving
tips

tell us
your
story

Join the Central New York Energy Challenge and discover new ways to save energy, challenge yourself to take action, and help us to share your accomplishments with others. Together we can make a difference in Central New York!

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[ACTION AREAS](#)

[CHALLENGE NEWS](#)



Hey, Central New York - Join the Movement!

[Join now >](#)



Join an energy CHALLENGE TEAM



Form an Energy Team

Join a Challenge Team. The CNY Energy Challenge has developed this team model to provide you with the support you need to learn about and take action towards improving your energy ...

UPCOMING EVENTS

- **November 10, 2011**
Green Drinks - Onondaga County
[More details...](#)
- **November 10, 2011**
Energy Hog or Energy Hero? What are You?
[More details...](#)
- **December 11, 2011**

CHALLENGE NEWS



**National Study
Ranks New York
Among Top Three
States for Energy**

Efficiency

October 2011 | by [American Council for an Energy-Efficient Economy](#)

RECENTLY TWEETED

Bio Digester Funding
Helps Central New York
Invest in Energy from
Organic Waste

<http://t.co/LIYTKPZy>

(about 23 hours ago)

Every
Action
Counts!



Your Stories:



Ever wonder what your neighbors are doing to save energy? Check out their stories and see what cool stuff you could be doing...

[Read full >](#)



Your Stories: Peter Cann

As you've gotten involved in the Energy

Challenge, you've probably learned a lot about and put a lot of time into conserving energy in your home—but have you given any thought...

Observations

- + Climate action is a process that takes time and will be influenced by local politics and changing values.
 - COMMITMENT FROM THE TOP
 - ASSIGNMENT OF LOCAL PROJECT MANAGER
 - COHORT OF PARTICIPANTS
- + Message is critical - especially within smaller rural communities.
 - FOCUS ON CO-BENEFITS
 - ENERGY VS. CLIMATE
 - PROJECTS VS. PLANS
- + Regional academic institutions can play a key role in providing additional resources to assist with the local inventory process.
 - WORK WITHIN ACADEMIC CALENDAR
 - STUDENTS ARE HERE AND GONE
 - DIFFERENCES IN PHILOSOPHY AND APPROACH

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An Independent Contractor to:



thank you